

6519285

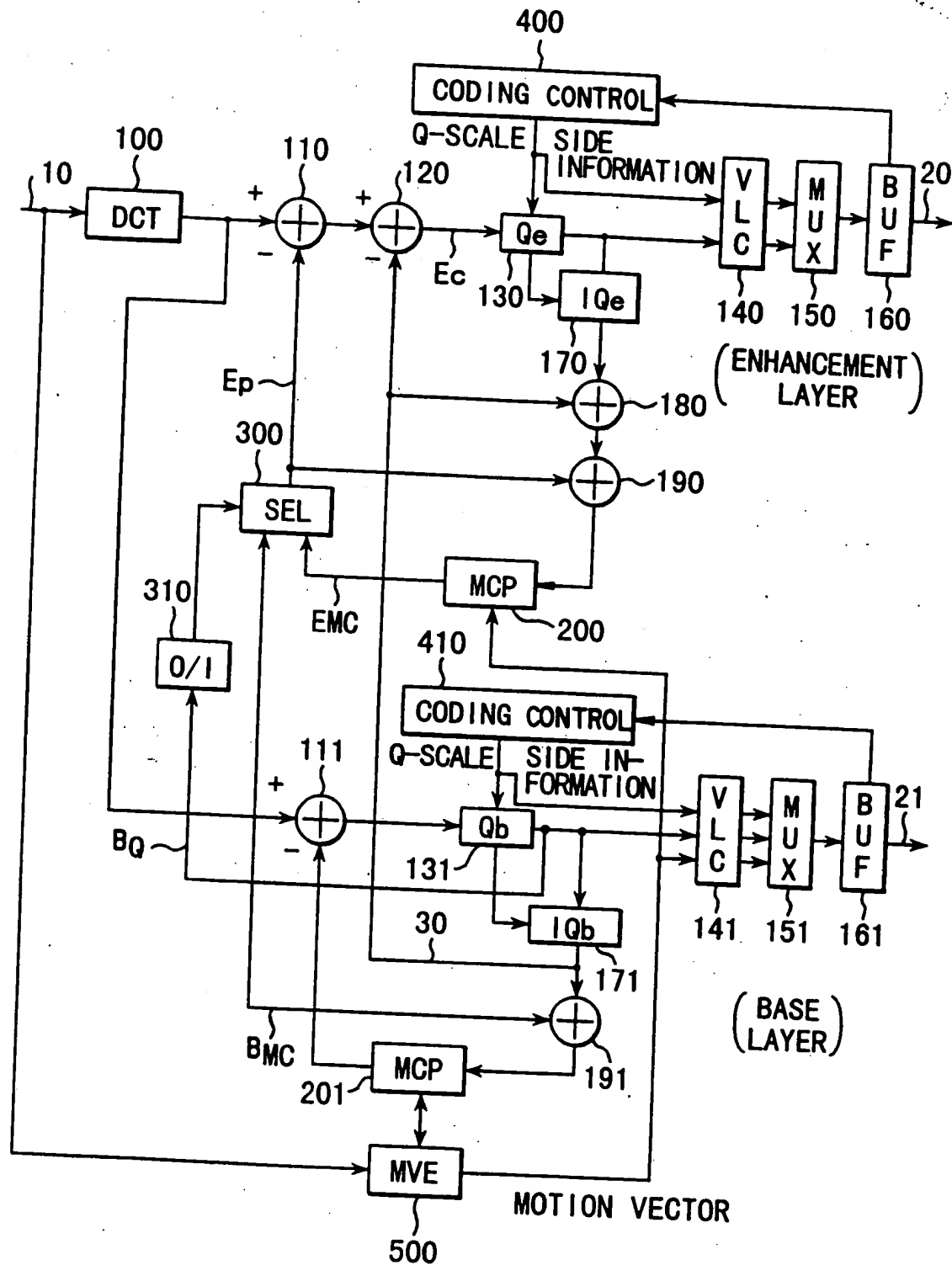


FIG. 1

00783549-052201

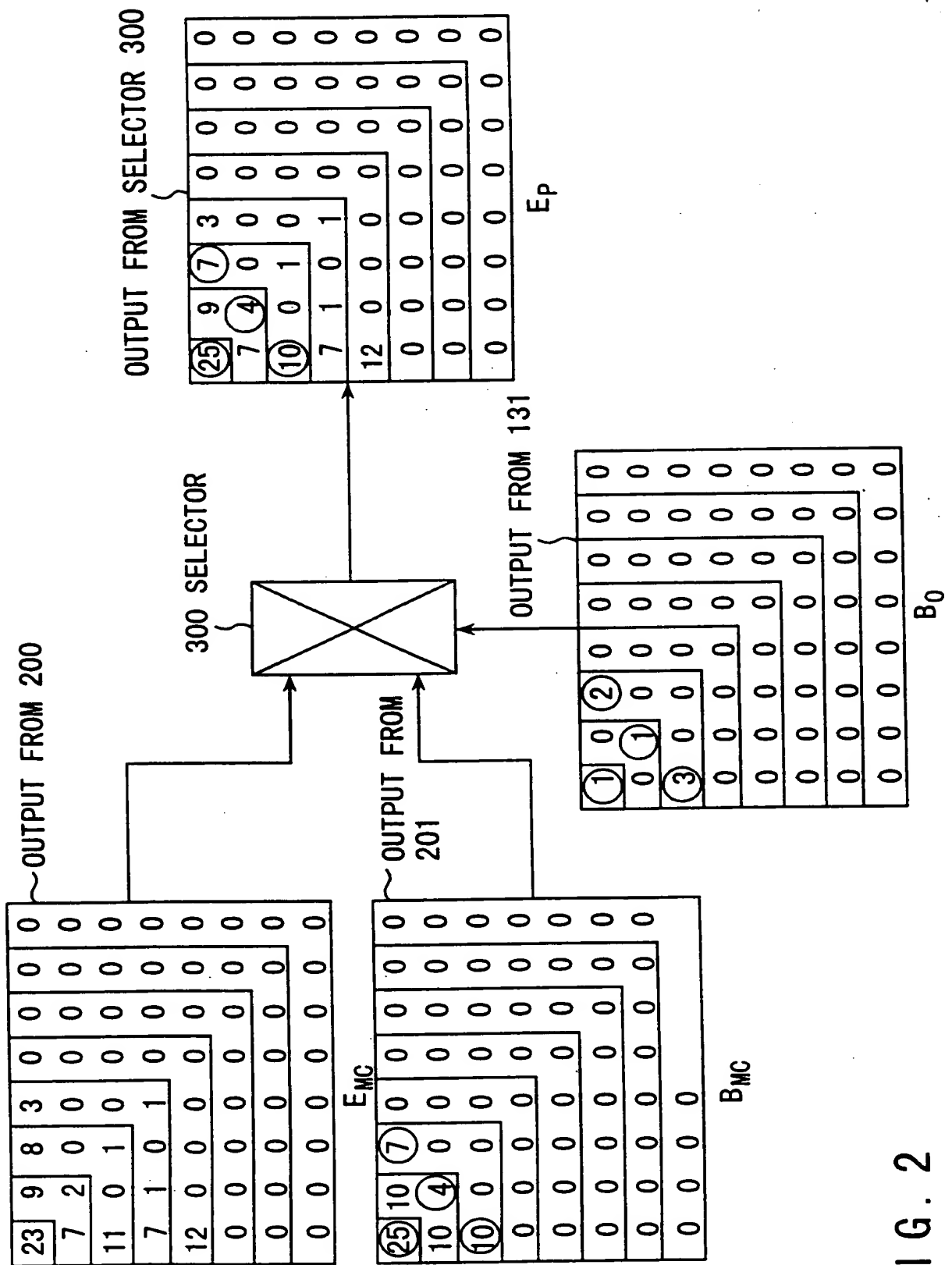


FIG. 2

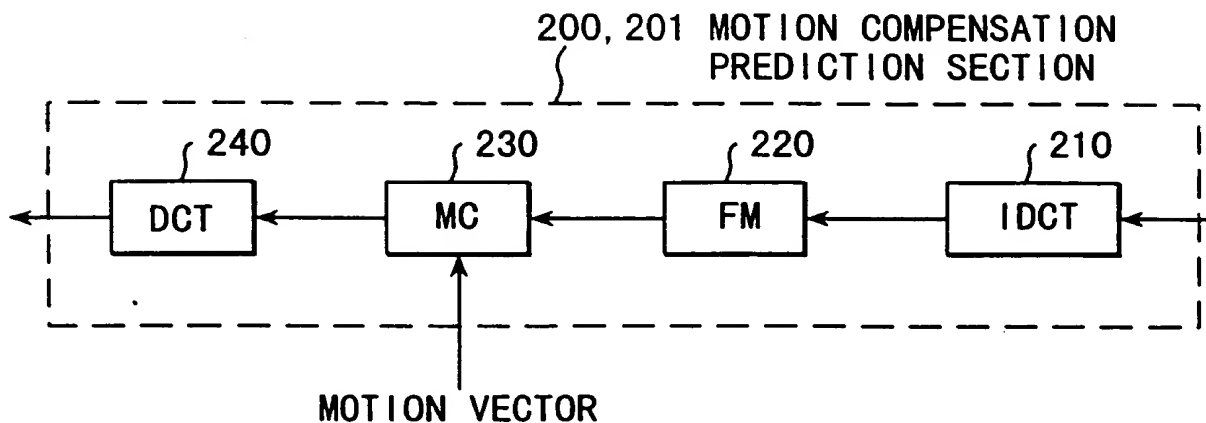


FIG. 3A

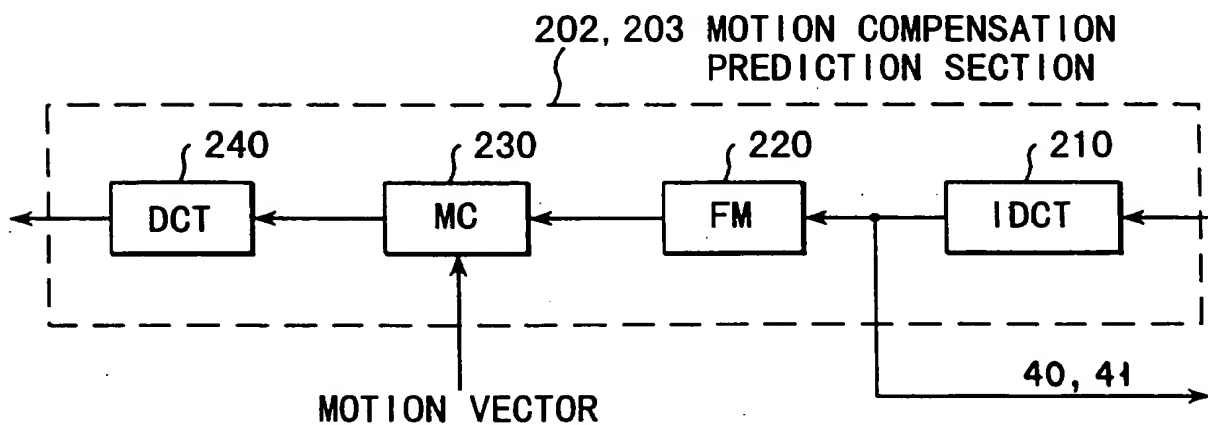


FIG. 3B

102250-64528460





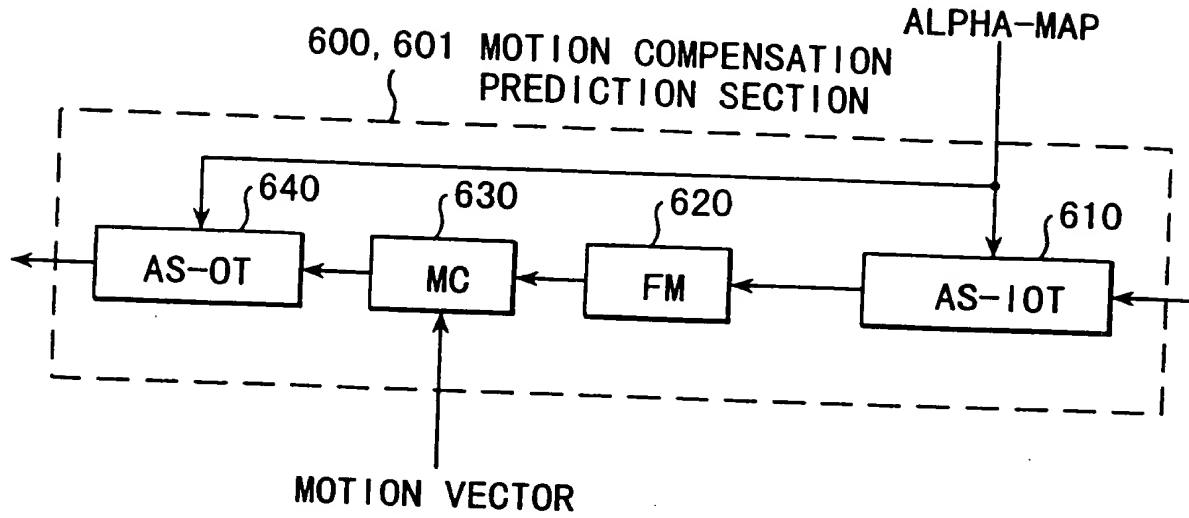


FIG. 6A

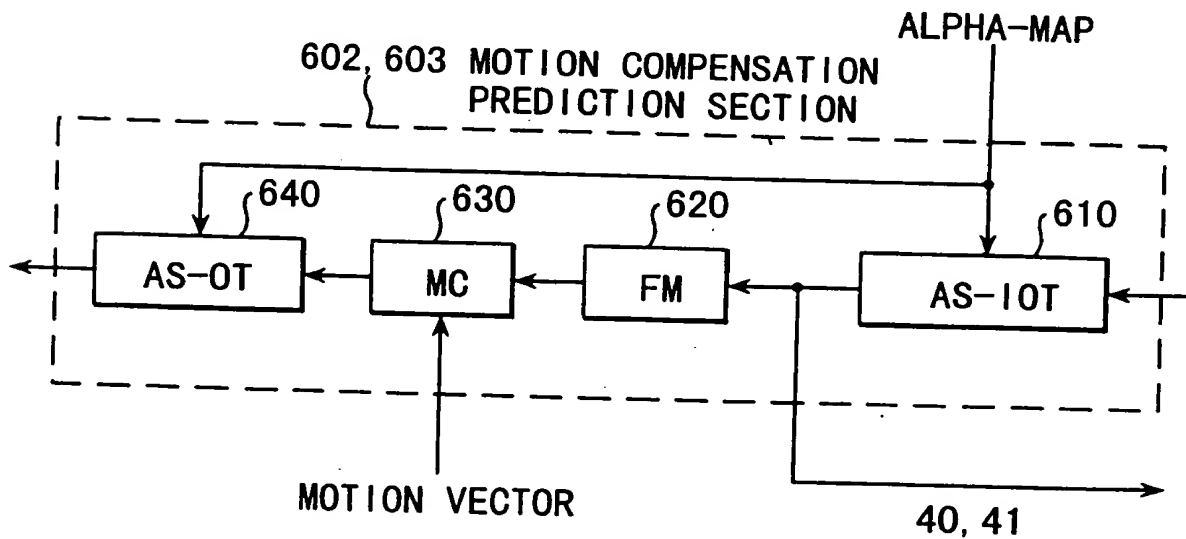


FIG. 6B

202990US-2SRDDIV

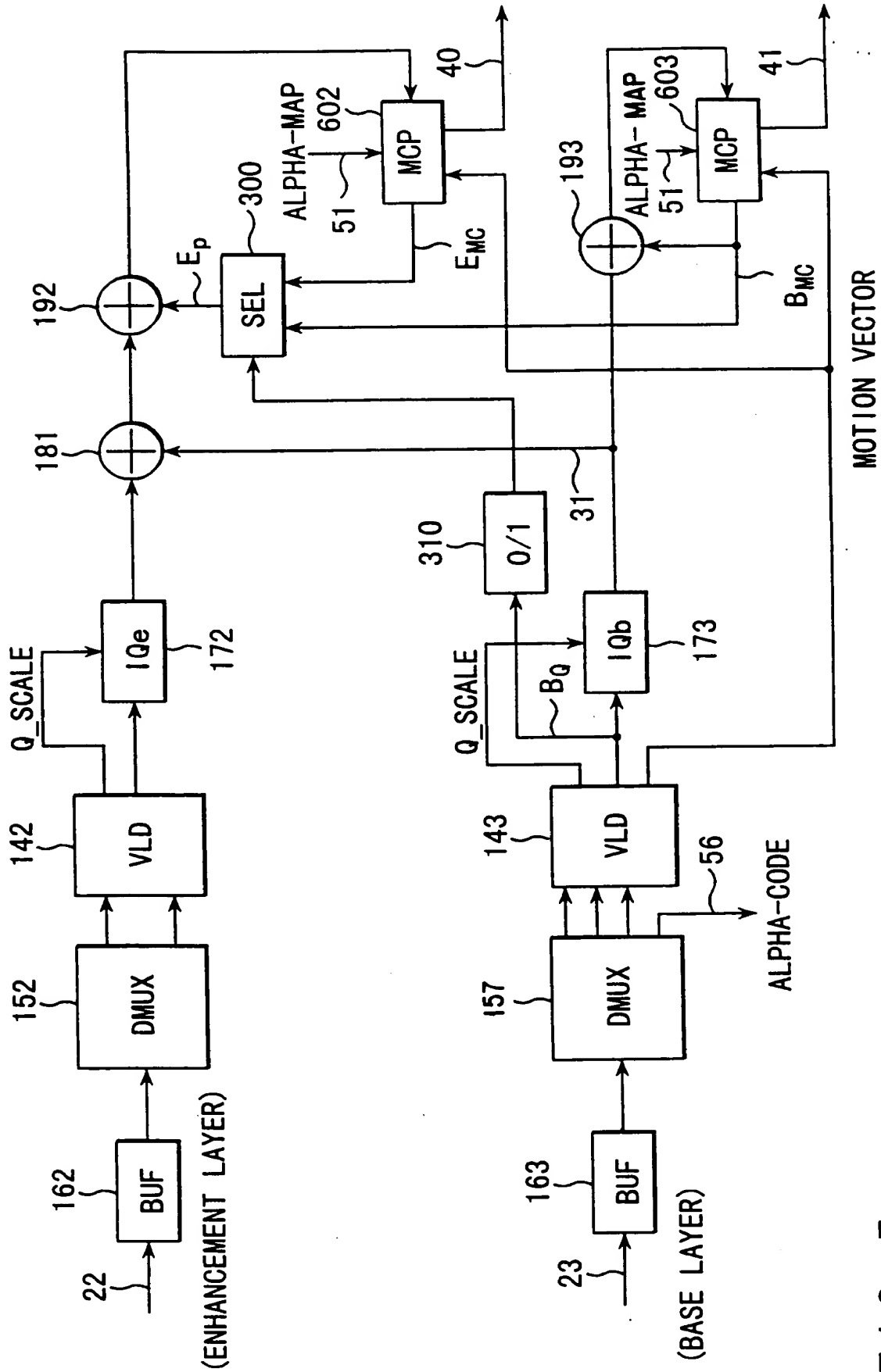


FIG. 7

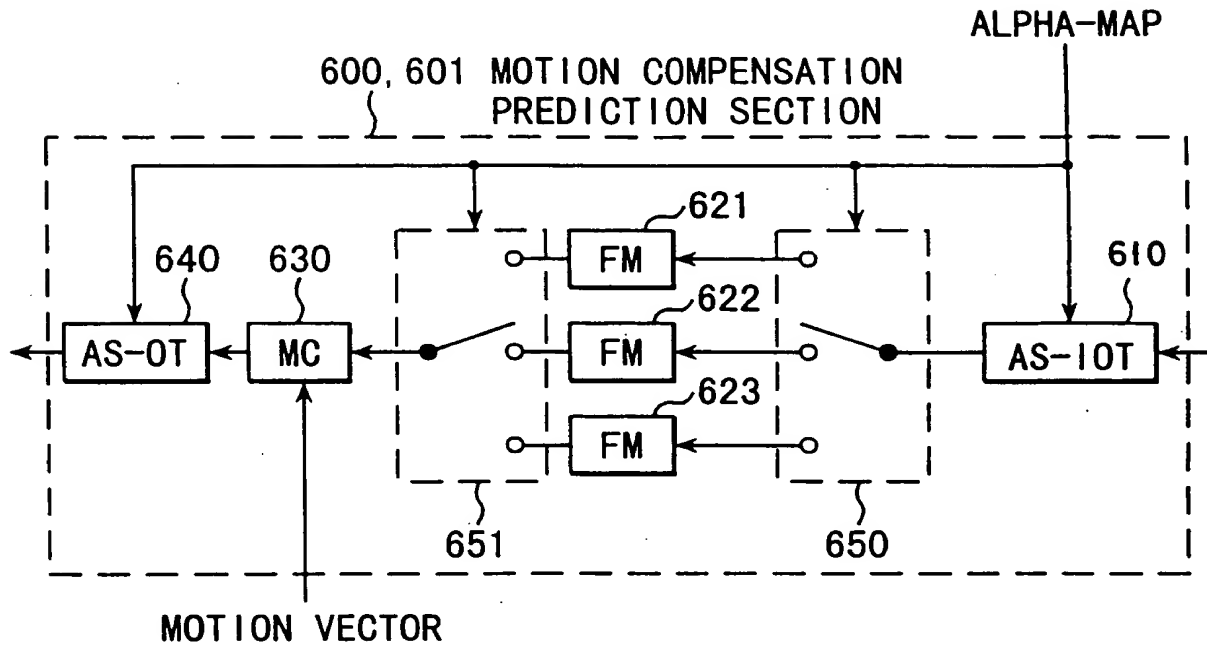


FIG. 8A

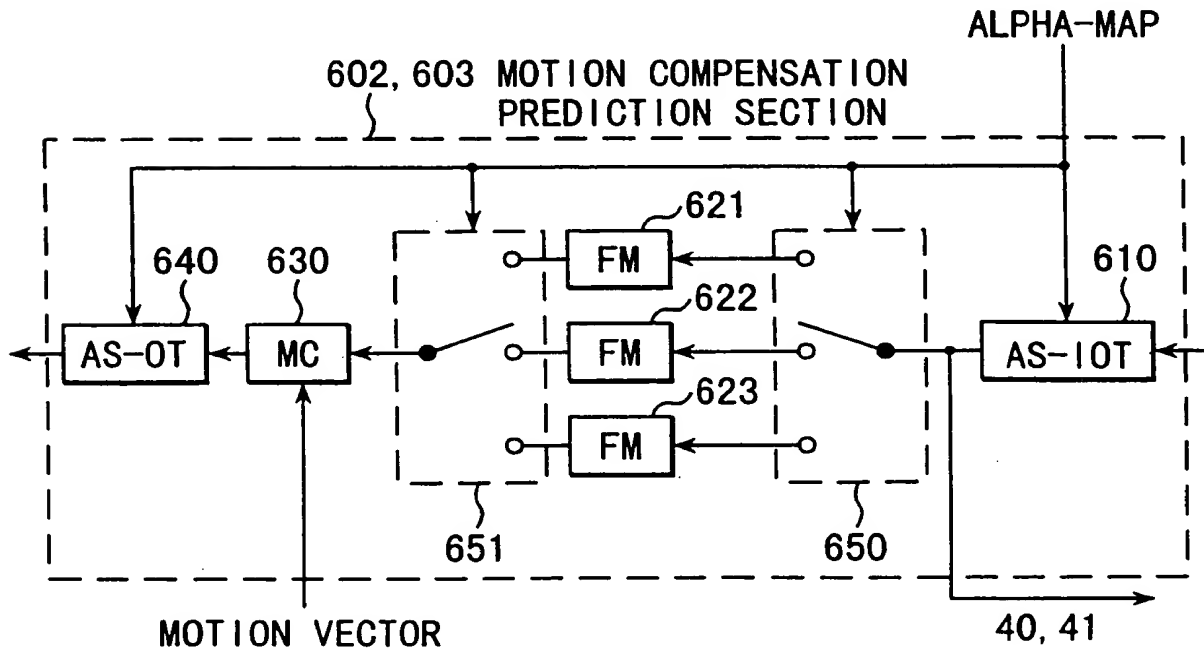


FIG. 8B

FIG. 8A



QUANTIZATION MATRIX OF INTRABLOCK

$\begin{matrix} \backslash & h \\ v & \end{matrix}$	1	2	3	4	5	6	7	8
1	8	16	19	22	26	27	29	34
2	16	16	22	24	27	29	34	37
3	19	22	26	27	29	34	34	38
4	22	22	26	27	29	34	37	40
5	22	26	27	29	32	35	40	48
6	26	27	29	32	35	40	48	58
7	26	27	29	34	38	46	56	69
8	27	29	35	38	46	56	69	83

FIG. 9

QUANTIZATION MATRIX OF INTERBLOCK

$\begin{matrix} \backslash & h \\ v & \end{matrix}$	1	2	3	4	5	6	7	8
1	16	17	18	19	20	21	22	23
2	17	18	19	20	21	22	23	24
3	18	19	20	21	22	23	24	25
4	19	20	21	22	23	24	26	27
5	20	21	22	23	25	26	27	28
6	21	22	23	24	26	27	28	30
7	22	23	24	26	27	28	30	31
8	23	24	25	27	28	30	31	33

FIG. 10

EXAMPLE OF QUANTIZATION MATRIX IN ENHANCEMENT LAYER

$\begin{matrix} \backslash & h \\ v & \end{matrix}$	1	2	3	4	5	6	7	8
1	16	16	18	16	16	16	16	16
2	16	18	16	16	16	16	16	16
3	18	16	16	16	16	16	16	16
4	16	16	16	16	16	16	16	16
5	16	16	16	16	16	16	16	16
6	16	16	16	16	16	16	16	16
7	16	16	16	16	16	16	16	16
8	16	16	16	16	16	16	16	16

FIG. 11

09/783,549

# ZIGZAG SCAN

$\begin{matrix} h \\ v \end{matrix}$	1	2	3	4	5	6	7	8
1	1	2	6	7	15	16	28	29
2	3	5	8	14	17	27	30	43
3	4	9	13	18	26	31	42	44
4	10	12	19	25	32	41	45	54
5	11	20	24	33	40	46	53	55
6	21	23	34	39	47	52	56	61
7	22	35	38	48	51	57	60	62
8	36	37	49	50	58	59	63	64

FIG. 12

# EXAMPLE OF ADAPTIVE SCAN

$\begin{matrix} h \\ v \end{matrix}$	1	2	3	4	5	6	7	8
1	1	5	4	7	15	16	28	29
2	6	3	8	14	17	27	30	43
3	2	9	13	18	26	31	42	44
4	10	12	19	25	32	41	45	54
5	11	20	24	33	40	46	53	55
6	21	23	34	39	47	52	56	61
7	22	35	38	48	51	57	60	62
8	36	37	49	50	58	59	63	64

FIG. 13

092540-0528/00

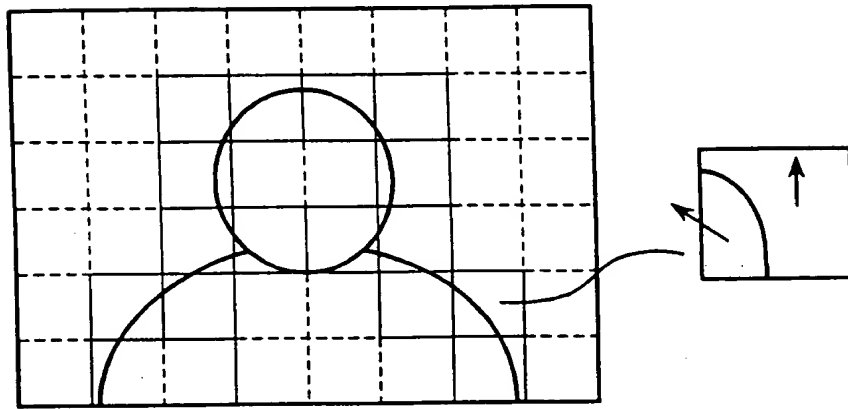


FIG. 14

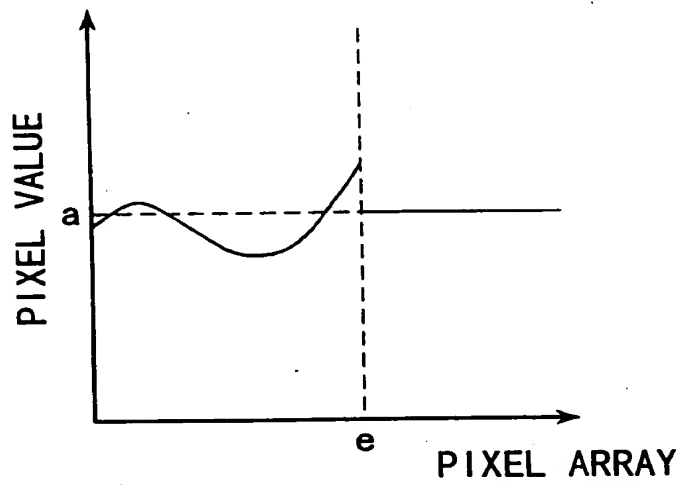


FIG. 16

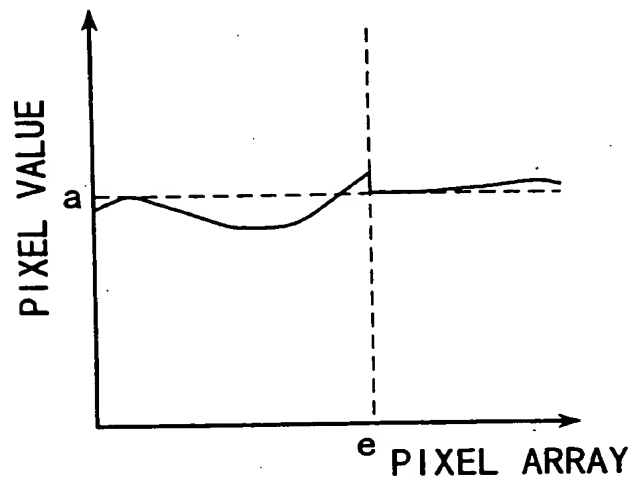


FIG. 17

102250-015E8260

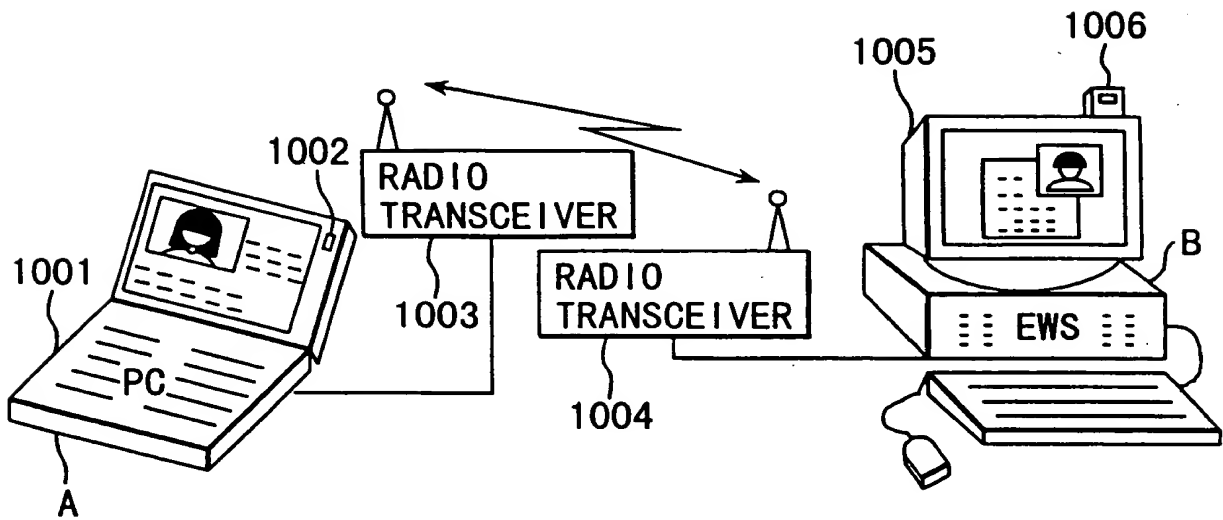


FIG. 15A

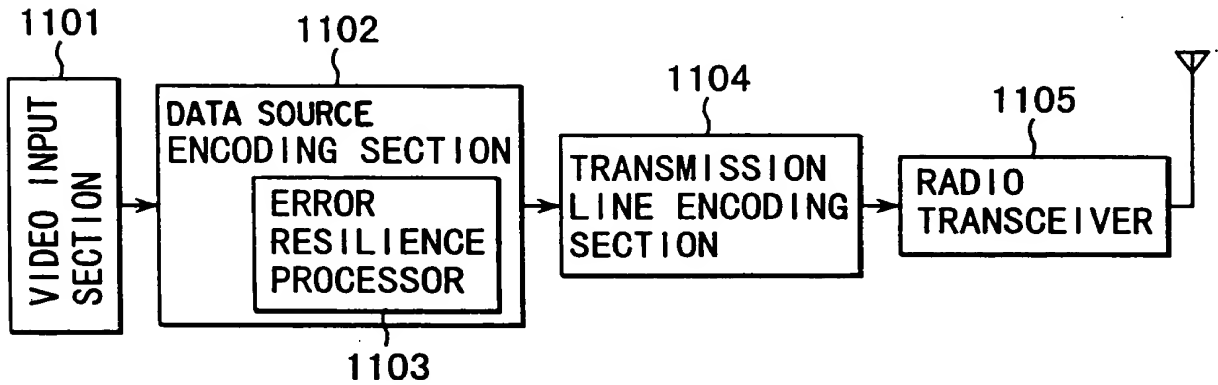


FIG. 15B

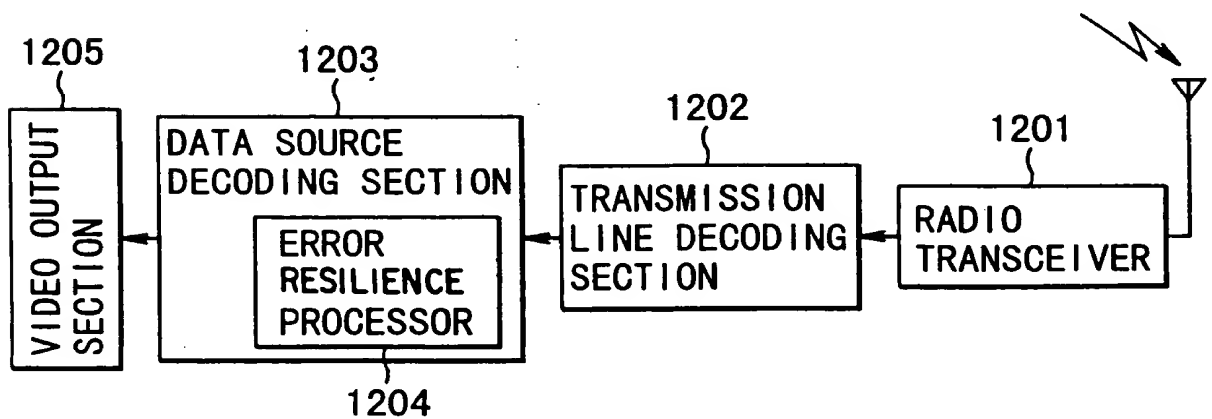


FIG. 15C

FIG. 15A

a	a	a	a	a	a	a	a
a	a	a	a	a	a	a	a
a	a	a	a	a	a	a	x <sub>1</sub>
a	a	a	a	a	a	a	x <sub>2</sub>
a	a	a	a	a	x <sub>4</sub>	x <sub>3</sub>	x <sub>9</sub>
a	a	a	x <sub>6</sub>	x <sub>5</sub>	x <sub>16</sub>	x <sub>13</sub>	x <sub>10</sub>
a	a	x <sub>7</sub>	x <sub>21</sub>	x <sub>19</sub>	x <sub>17</sub>	x <sub>14</sub>	x <sub>11</sub>
a	x <sub>8</sub>	x <sub>23</sub>	x <sub>22</sub>	x <sub>20</sub>	x <sub>18</sub>	x <sub>15</sub>	x <sub>12</sub>

FIG. 18

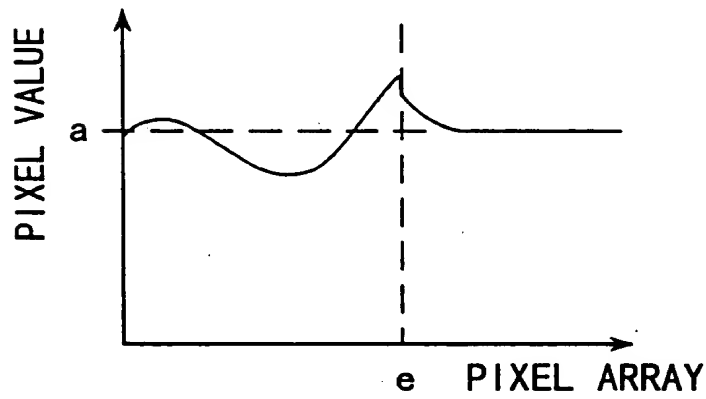


FIG. 19

a <sub>41</sub>	a <sub>39</sub>	a <sub>36</sub>	a <sub>32</sub>	a <sub>31</sub>	a <sub>25</sub>	a <sub>18</sub>	a <sub>10</sub>
a <sub>40</sub>	a <sub>37</sub>	a <sub>33</sub>	a <sub>27</sub>	a <sub>26</sub>	a <sub>19</sub>	a <sub>11</sub>	a <sub>1</sub>
a <sub>38</sub>	a <sub>34</sub>	a <sub>28</sub>	a <sub>21</sub>	a <sub>20</sub>	a <sub>12</sub>	a <sub>2</sub>	x <sub>1</sub>
a <sub>35</sub>	a <sub>29</sub>	a <sub>22</sub>	a <sub>14</sub>	a <sub>13</sub>	a <sub>4</sub>	a <sub>3</sub>	x <sub>2</sub>
a <sub>30</sub>	a <sub>23</sub>	a <sub>15</sub>	a <sub>6</sub>	a <sub>5</sub>	x <sub>4</sub>	x <sub>3</sub>	x <sub>9</sub>
a <sub>24</sub>	a <sub>16</sub>	a <sub>7</sub>	x <sub>6</sub>	x <sub>5</sub>	x <sub>16</sub>	x <sub>13</sub>	x <sub>10</sub>
a <sub>17</sub>	a <sub>8</sub>	x <sub>7</sub>	x <sub>21</sub>	x <sub>19</sub>	x <sub>17</sub>	x <sub>14</sub>	x <sub>11</sub>
a <sub>9</sub>	x <sub>8</sub>	x <sub>23</sub>	x <sub>22</sub>	x <sub>20</sub>	x <sub>18</sub>	x <sub>15</sub>	x <sub>12</sub>

FIG. 20

00783460-00000000

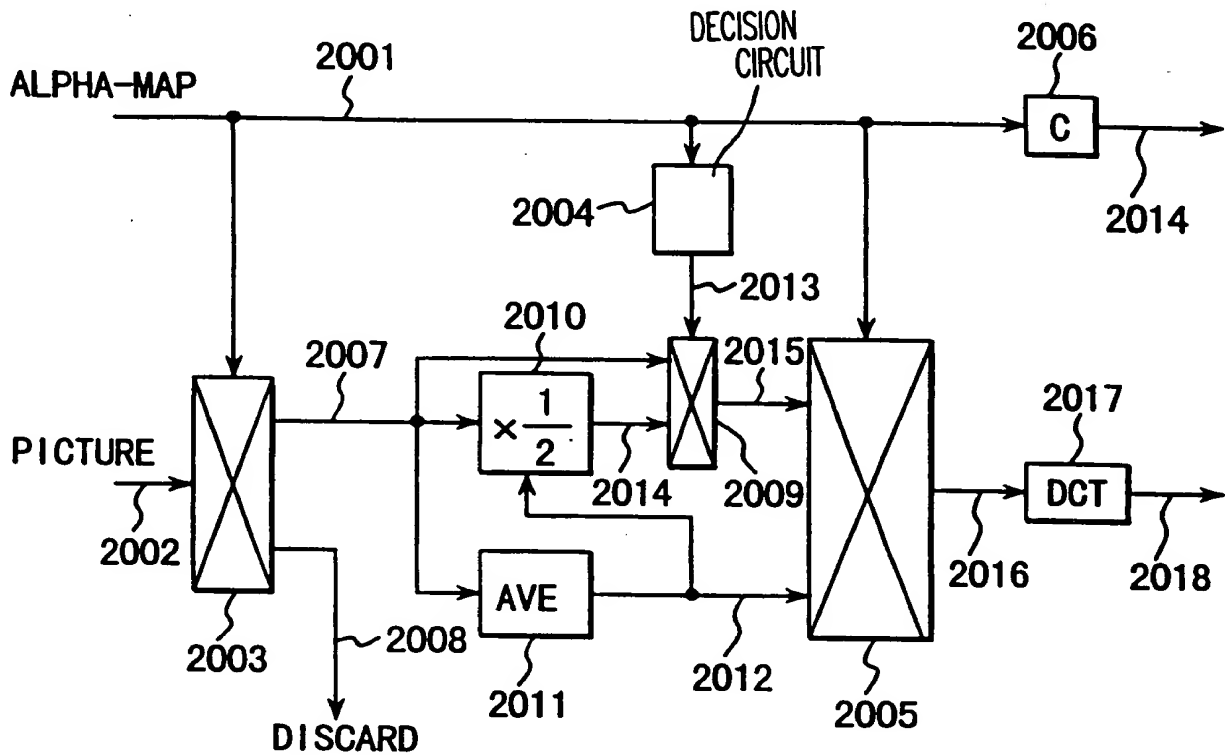


FIG. 21

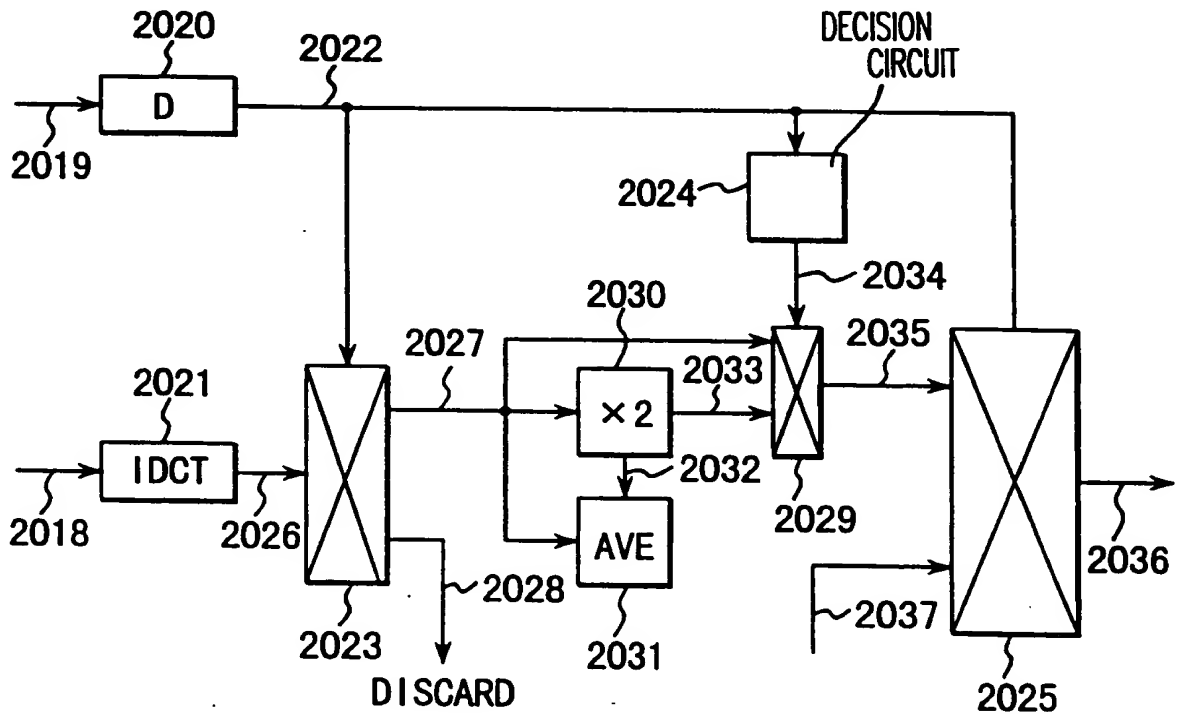


FIG. 22

FOUO-019528260